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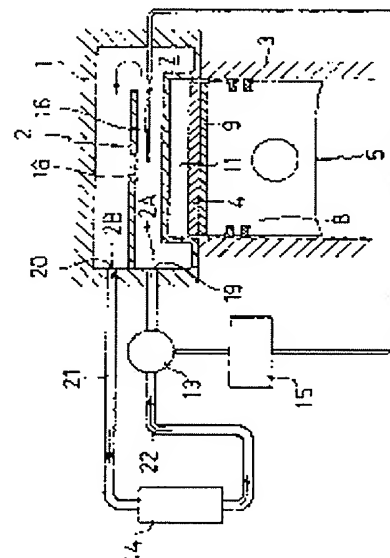
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### (54) COOLING DEVICE FOR THERMALLY INSULATED ENGINE

(57)Abstract:

**PURPOSE:** To make accurate and fine temperature control of cooling water by controlling a motor water pump for circulating cooling water between a water jacket and a radiator in response to a signal fed from a temperature sensor.

**CONSTITUTION:** A water jacket 2 arranged against upper sections of a cylinder head 1 and a cylinder liner 3 is partitioned vertically into two stages, then an outlet 20 and an inlet 19 are formed respectively in upper and lower stages 2B, 2A partitioned through a partition wall 18. A motor water pump 13 is arranged in a conduit 22 in order to circulate cooling water through the water jacket 2 and a radiator 14. The water pump 13 is controlled by a controller 15 based on a signal fed from a temperature sensor 16 arranged in the lower stage 2A of water jacket. Since the water pump 13 is driven independently from an engine, cooling water flow can be controlled freely regardless of the driving condition of engine, thus minimizing driving loss necessary for cooling of engine.



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